DSP-3, encoded by 552 base pairs

	1	CCCCGCCGCT	CCTCCTCCCT	GTAACATGCC	ATAGTGCGCC	TGCGACCACA	CGGCCGGGGC	
	61	GCTAGCGTTC	GCCTTCAGCC	ACCATGGGGA	ATGGGATGAA	CAAGATCCTG	CCCGGCCTGT	
	121	ACATCGGCAA	CTTCAAAGAT	GCCAGAGACG	CGGAACAATT	GAGCAAGAAC	AAGGTGACAC	
	181	ATATTCTGTC	TGTCCACGAT	AGTGCCAGGC	CTATGTTGGA	GGGAGTTAAA	TACCTGTGCA	
	241	TCCCAGCAGC	GGATTCACCA	TCTCAAAACC	TGACAAGACA	TTTCAAAGAA	AGTATTAAAT	
	301	TCATTCACGA	GTGCCGGCTC	CGCGGTGAGA	GCTGCCTTGT	ACACTGCCTG	GCCGGGGTCT	
	36Í	CCAGGAGCGT	GACACTGGTG	ATCGCATACA	TCATGACCGT	CACTGACTTT	GGCTGGGAGG	
	421	ATGCCCTGCA	CACCGTGCGT	GCTGGGAGAT	CCTGTGCCAA	CCCCAACGTG	GGCTTCCAGA	
	481	GACAGCTCCA	GGAGTTTGAG	AAGCATGAGG	TCCATCAGTA	TCGGCAGTGG	CTGAAGGAAG	
	541	AATATGGAGA	GAGCCCTTTG	CAGGATGCAG	AAGAAGCCAA	AAACATTCTG	GCCGCTCCAG	
	601		GTTCTGGGCC					,
•	661	TTGCAAACCC	GCAGAGTTTA	GGCTGGTGCT	GCCAAAAAGA	AAAGCAACAT	AGAGTTTAAG	
	721	TATCCAGTAG	TGATTTGTAA	ACTTGTTTTT	CATTTGAAGC	TGAATATATA	CGTAGTCATG	
	781	TTTATGTTGA	GAACTAAGGA	TATTCTTTAG	CAAGAGAAAA	TATTTTCCCC	TTATCCCCAC	
	841	TGCTGTGGAG	GTTTCTGTAC	CTCGCTTGGA	TGCCTGTAAG	GATCCCGGGA	GCCTTGCCGC	
	901	ACTGCCTTGT	GGGTGGCTTG	GCGCTC				

Translated full length protein, 184 amino acids

MGNGMNKILPGLYIGNFKDARDAEQLSKNKVTHILSVHDSARPMLEGVKYLCIPAADSPS QNLTRHFKESIKFIHECRLRGESCLVHCLAGVSRSVTLVIAYIMTVTDFGWEDALHTVRA GRSCANPNVGFQRQLQEFEKHEVHQYRQWLKEEYGESPLQDAEEAKNILAAPGILKFWAF LRRL*

FIG. 2

FIG. 3		
PYSI1 HKP-J hVII5 PRC1 HKP-1 HKP-5 VIRR USP-3 Consensus	PYS11 HKP-7 HKP-1 PRC1-1 HKP-4 HKP-4 HKP-6 DSP-3 Consensus	
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DSP-3

Northern blot analysis



He = Heart

Br = Brain Pl = Placenta

Lu = Lung

Li = Liver

• SM = Skeletal Muscle

Ki = Kidney Pa = Pancreas

FIGURE 4

muDSP3 cDNA

Figure 5

muDSP3 amino acids

MGSGMSQILPGLYIGNFKDARDAEQLSRNKVTHILSVHDTARPMLEGVKYLCIPAADTP SQNLTRHFKESIKFIHECRLQGES**CLVHCLAGVSRSVTLVIAYIM**TVTDFGWEDALHTV RAGRSCANPNLGFQRQLQEFEKHEVHQYRQWLREEYGENPLRDAEEAKNILGKYKEQGR MEPRPSSRRWSSFSTLPPLTYNNYTTET*

Figure 6